

## Attachment 5

Laboratory reports for NPDES  
monitoring

Laboratory Quality Control Reports



## LTS ENVIRONMENTAL, INC.

Beta Offshore  
111 W. Ocean Blvd., Suite 1240  
Long Beach, Ca 90802

August 12, 2018

Attn: Diana Lang

Quarterly NPDES chlorine residuals on the non-contact cooling water outlet were as follows:

Sample Date / Time	Location	Total Chlorine Residual (EPA Method 330.5) <u>End of Pipe</u>
July 31, 2018 @ 0945 hrs	Platform Ellen Non-Contact Cooling Water Outlet East Seawater Pump	0..11 mg/l
LTS Meter S/N: 041200088375 Technician: Konrad Pala		Method Blank < 0.05 mg/l (MDL)

**S.G. Lawry**  
**Environmental Specialist / LTS**



## LTS ENVIRONMENTAL, INC.

Beta Offshore  
111 West Ocean Blvd.  
Suite 1240  
Long Beach, Ca 90802

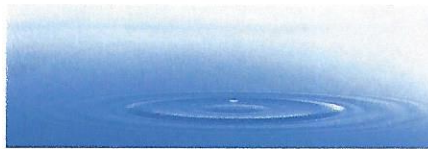
August 11, 2018

**Attn: Diana Lang**

As part of the Annual Marine Sanitation Device (MSD) Inspection, and to ensure proper operation of the device, LTS Environmental performed an EPA-approved chlorine residual on the effluent. Results of this test are as follows:

Sample Date / Time	Location	Total Chlorine Residual (EPA Method 330.5)
July 31, 2018 @ 1020 hrs	Platform Ellen Sewage Effluent Omnipure 12MX	3.4 mg/l
LTS Meter S/N: 041200088375		Method Blank < 0.05 mg/l (MDL)
LTS Technician: Konrad Pala		

**S.G. Lawry**  
*Environmental Specialist / LTS*



## LTS ENVIRONMENTAL, INC.

October 18, 2018

### Quality Control

As part of the annual in-house quality control chlorine meter check and to ensure proper operation of the meters, LTS Environmental Inc. performed a total residual chlorine test with a known value obtained from Sigma-Aldrich Corporation. Results of this test are as follows:

<b>Test Date</b> October 16, 2018	<b>Total Residual Chlorine</b> (EPA Method 330.5)
LTS meter (SN 12040E195572)	<b>1.45 mg/l</b>
Acceptance Limits	1.30 mg/l – 2.41 mg/l
Certified Value	1.85 mg/l $\pm$ 0.0330
Sigma-Aldrich Corporation test sample (QC1065-2ml. Lot LRAB8408)	
LTS Lead Technician: Konrad Pala	Method Blank < 0.05 mg/l

**S.G. Lawry**  
**Environmental Specialist**  
**President, LTS Environmental, Inc.**